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| Emirkan Esme |

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# Profile

Friendly and tech-savvy software engineer who loves coding and new technologies. Great at leading teams to create awesome software. Good at helping others learn and work better. Known for solving tough problems and making software that people love to use. Always stays up-to-date with the latest tech trends and enjoys working on exciting projects.

# Experience

## academıc tutor | Eastern medıterranean unıversıty | march 2023 - present

* I provided private tutoring to undergraduate students in Python, C , Data Structures , Computer Organization , Object Oriented Programming (Java) , Calculus , Physics

## Lab aSSISTANt | Eastern medıterranean unıversıty | SEP 2023 – DEC 2023

* I provided technical support for lab sessions, assisted in setting up and maintaining equipment, and facilitated a smooth learning environment for students.

## ERVO MAKINA | CNC OPERATOR

* At Ervo Makina, I worked as a CNC Operator where I utilized SolidWorks, AutoCAD, and Mastercam for designing and programming, and operated Fanuc Wire EDM machines for precision manufacturing.

# Education

## bachelor of software engıneerıng (ABET)

* Eastern Mediterranean University | June 2022 – Present

# Language

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| --- | --- |
| ENGLISH  * C1 – (IELTS) | GERMAN  * A1 |

# Skills & Abilities

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| --- | --- |
| * Object Oriented Programming * Computer Organization * Full Stack Development * Embedded Systems & Microcontrollers * Database Management * Numpy & Pandas | * Project Management & Team Lead * Digital Logic Design & Systems * Calculus & Numerical Analysis * Computer Aided Drawing * Automotive Software & ECU Tuning * OpenCV |

# Projects

## 360° Object Tracking System for Defense Applications

* Prototype of an Air Defense System using Arduino and OpenCV

## 3D Printed cnc draw machıne

* Developed a completely 3D printed 2D CNC drawing machine combining Grbl Framework and Arduino.

## onlıne menu system

* We developed an interactive website that enables the cafe to easily update menu content.

## Tokenstudıes

* Simple web platform allowing students to upload and download study notes.

## Smartmarket sync

* Developed a system that automatically retrieves the latest prices, features, and stock information of products from the LC Waikiki website and adds them to the user’s Trendyol store.

## IoT Door Monitor

* Smart door status system using NodeMCU and Wi-Fi-based local server. It allows real-time status updates from any device, displaying activity on an LCD screen.

## ECUSHIFT (ONGOING)

* High-performance web platform where I perform sales of tuned Engine Control Units (ECU).

## Dataharvest (Teknofest fınalıst)

* DataHarvest is a solar-powered, open-source agricultural monitoring system designed to tackle the challenges of traditional farming in the TRNC, such as drought and inefficiency. It utilizes field-deployed sensors to collect real-time data on temperature, humidity, and rainfall. This data is then transmitted online and analyzed using artificial intelligence to provide farmers with clear, actionable insights. The system is approximately 50% more affordable than similar technologies, making it accessible to individual farmers and small businesses.